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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy(ies) thereof.

1. Name of conveying party(ies):  
Rajaram RAMESH and Havish KOORAPATYAdditional name(s) of conveying party(ies) attached?  
☐ Yes ☒ No3. Nature of conveyance:  
☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name

Other:

Execution Date: April 23, 2001

2. Name and address of receiving party(ies):

Name: Ericsson Inc.

Address: 8001 Development Drive  
Research Triangle Park, North Carolina 27709Additional name(s) & address(es) attached?  
☐ Yes  
☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: April 23, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence should be mailed:

Name: Glenn Snyder

Address: HARRITY & SNYDER, L.L.P.  
11240 Waples Mill Road  
Suite 300  
Fairfax, Virginia 22030

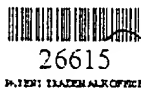
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☒ Enclosed  
☐ Authorization to be charged to deposit account, if necessary.

8. Deposit account number:

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document*

Glenn Snyder

Reg. No. 41,428

Name of Person Signing

Signature

April 27, 2001

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:

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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Rajaram Ramesh et al.

Application No./Patent No.: 09/842,928 Filed/Issued Date: 4/27/01

Entitled: SYSTEMS AND METHODS FOR DECODING DATA BLOCKS

Ericsson Inc., a corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by, percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel/Frame 011766/0223, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Nov 9, 2001  
Date

David K. Purks

Typed or printed name

[Signature]  
Signature

Associate General Counsel/Patent Counsel of Ericsson Inc.

Title

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JULY 23, 2001

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UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 04/27/2001

REEL/FRAME: 011766/0223  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RAMESH, RAJARAM

DOC DATE: 04/23/2001

ASSIGNOR:

KOORAPATY, HAVISH

DOC DATE: 04/23/2001

ASSIGNEE:

ERICSSON INC.  
8001 DEVELOPMENT DRIVE  
RESEARCH TRIANGLE PARK  
NORTH  
CAROLINA  
27709

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SERIAL NUMBER: 09842928  
PATENT NUMBER:

FILING DATE: 04/27/2001  
ISSUE DATE:

011766/0223 PAGE 2

SEDLEY PYNE, PARALEGAL  
ASSIGNMENT DIVISION  
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JOINT INVENTION  
(Worldwide Rights)

## ASSIGNMENT

WHEREAS, WE, the below named inventors (hereinafter referred to as Assignors), have made an invention entitled:

### SYSTEMS AND METHODS FOR DECODING DATA BLOCKS

for which we filed an application for patent concurrently herewith; and

WHEREAS, Ericsson Inc., a corporation of Delaware, having registered offices in Research Triangle Park, North Carolina, 27709, (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that for and in consideration of valuable consideration, we as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, continuations, and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, WE have hereunto set our hand.

Rajaram RAMESH  
403 Danton Drive  
Cary, North Carolina 27511

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

4/23/2001

Havish KOORAPATY  
102 Horsepond Court  
Cary, North Carolina 27513

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

4/23/2001

Barbara A. Friedland  
Witness

Barbara A. Friedland  
Witness